FIFE News

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FIFE Meeting

25 June 2020

25 June 1948: Operation Vittles (Berlin Airlift) authorized

News and announcements

- Inform your line management of any issues you're having in the WFH environment. It's gonna be a while…

Safe Standby (began March 23)	Expanded Essential Phase (Planning)	Mission Critical Operations	Limited Operations	Normal Operations with Maximum Telework	Normal Operations
• limited workforce on site	•Additional essential workforce brought back (over several weeks) to evaluate processes	•Increasing workforce on site • Activity prioritized by science mission and availability of support functions	•Increasing workforce on site •Activity prioritized by science mission and readiness of support	•Most of the workforce on site with large % still telecommuting	

- On the lighter side:
  - https://www.youtube.com/watch?v=LNNPNweSbp8
  - https://www.youtube.com/user/csowebmaster
  - https://www.youtube.com/user/LyricOperaofChicago
  - From Tanya: https://www.youtube.com/user/bolshoi
- Please have a look at and contribute to the Imperial Theatre

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News for Experiments

- DB access has been steadily moving from http to https, and several ports that used to be open are not now

- That has consequences for ifbeam

    – Turns out that it also has consequences for the nucondb

- Ports are secured in **ifbeam v2_4_4 and nucondb v2_4_4**

- Experiments will need to update

- v1_3_2 of jobsub_client now current

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Roadmap Workshop

- We are set for July 8: https://indico.fnal.gov/event/43634/
- Thanks to those who are already working on slides!
- Link to 2019 workshop slides
- Link to 2020 draft
- Initial deadline for drafts was today. Final drafts due by July 2 at the absolute latest.
- Topics: new things and plans for the second half of the year. Also feel free to include reminders on updated best practices.
- Planning to discuss the naughty user policy there

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Reminder of user policy action thresholds

- Workflows that cause a degradation, outage, or denial of service to a shared resource. These include overloading a database, causing a large transfer queue on one or more dCache pools, excessive disk IO that impacts the entire machine, excessive memory usage beyond the job's request that results in entire glideins being killed. *(Obviously, these are our main concern)*

- A failure rate above 50 percent on jobs that result in a waste of over 1,000 slot-weighted hours of wall time in a 24-hour period. **Jobs finishing with a non-zero exit code are considered failed jobs, even if they are successful from the experiment's point of view.**

- Analysis jobs that consume more than 1,000 slot-weighted hours of wall time and are below the FIFE efficiency policy thresholds (defined elsewhere) in CPU, disk, or memory efficiency (whether or not the jobs are successful) for 3 or more days in a 7-day period (including weekends and/or laboratory holidays).

- Overall production output that is in violation of the efficiency policy for more than 24 hours and consumes more than 1,000 slot-weighted hours.

- Any job that violates the Fermilab security policy in any way is subject to immediate removal, and the user who submitted the job is subject to the consequences outlined in the policy.

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User policy enforcement

- Once this goes in effect (probably next month) we need to figure out enforcement options

- Who will monitor for violations? DCS? How often? Do we need additional FIFEMON dashboards?

- Policy discusses a custom SNOW form to do the notifications and quota rampdowns- need to make that

- What else is needed?

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